

## **STATEWIDE CRITICAL REQUIREMENTS - FISCAL YEAR 2011/2012**

### **Quality Assessment Category Number 10C Bridge Structures - Concrete Decks**

1. Does the Project Administrator confirm that continuous beam decks are placed according to the pouring sequence in the plans and is all deck concrete in place before initial set of any of the concrete begins? Is there documentation to substantiate that the required pouring sequence was used and does a field visit verify this? [Good Practice]
2. Does the Project Administrator confirm that the Contractor communicates with the concrete beam producer about the design camber prediction versus the actual camber in order to prevent excessive beam buildups and was this issue discussed at the preconstruction conference? Is there documentation to substantiate that these discussions took place and does a field visit verify this? [Spec. 450-16, Good Practice]
3. Does the CEI staff confirm that Type 2 (white) curing compound is applied at a minimum spread rate of 0.06 gal/yd<sup>2</sup> to the deck surface not more than 2 hours after concrete placement for decks or 30 minutes for barriers or when the surface is damp; that saturated, properly sealed curing blankets are placed as soon as possible without affecting surface texture for a minimum of 7 days; and that blanket materials meet specifications and specifically that burlap-polyethylene sheeting is required to have a minimum weight of 9 ounces/square yard? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 400-16]
4. Does the CEI staff confirm that the Contractor is monitoring moisture evaporation rates related to deck placement and that deck concrete is not placed when average wind velocity exceeds 15 mph? Is there documentation to substantiate that this requirement was met and does a field visit verify this? [Spec. 400-7]
5. Does the CEI staff confirm that the Contractor is not using continuous rails of rebar bolsters in direct contact with forms except in the case of stay-in-place forms in a slightly aggressive environment? Is there documentation to substantiate that this requirement was met and does a field visit verify this? [Spec. 415-5]